

PAT-NO: JP362246923A  
DOCUMENT- JP 62246923 A  
IDENTIFIER:  
TITLE: RESIN COMPOSITION FOR CARBON FIBER  
COMPOSITE MATERIAL  
PUBN-DATE: October 28, 1987

**INVENTOR-INFORMATION:**

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APPL-NO: JP61089397  
APPL-DATE: April 18, 1986

INT-CL (IPC): C08 G 059/40 , C08 G 059/50 , C08 J 005/24 , C08 L 063/00

**ABSTRACT:**

PURPOSE: To obtain a resin composition for carbon fiber composite materials, excellent in heat resistance, toughness, etc., by mixing an epoxy resin based on a hydantoin epoxy resin with 4,4'-diaminodiphenyl sulfone and a specified rubber component.

CONSTITUTION: The purpose resin composition for carbon fiber composite materials is prepared by using an epoxy resin (A) containing at least 50wt%

hydantoin epoxy resin with 4,4'-diaminodiphenyl sulfone (B) and a carboxyl group-terminated liquid butadiene/acrylonitrile rubber and/or a reaction product thereof (C) with an epoxy compound as principal components. Prepregs are formed by impregnating carbon fiber with the obtained resin composition and the prepregs are press-molded to obtain a carbon fiber composite useful as a structural material for aircraft.

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